

25X1A

filed with [redacted]

NRO REVIEW COMPLETED

DRAFT (*Schenfeld*)
24 June 1968

MEMORANDUM FOR: Talent Control Officer, [redacted]

SUBJECT *Release of Information*
Lens Distortion Characteristics

REFERENCE *Your cables* [redacted] 4496 and [redacted] 5258

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1. The attached information is provided in response to the reference *your cables* wherein you requested, on behalf of [redacted] *which could be released* [redacted] lens distortion characteristics *to be used* [redacted] *for its use* [redacted] in the manufacture of aspheric correction plates to be fitted into the reductor utilized to enlarge TKH index camera photography for mapping purposes.

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2. We foresee no problem with the release of the attached information to [redacted] *since* as requested, *if* the information is theoretical in nature and does not necessarily apply to any specific camera or collection system. For your information, the attachment mark [redacted] marked B is for the [redacted]

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[redacted]

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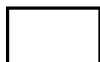
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Approved For Release 2002/05/01 : CIA-RDP79B01709A002000010050-5

TOP SECRET

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TALENT-KEYHOLE
CONTROL SYSTEM



NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

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WT, HC

7 June 1968

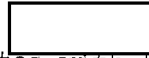
MEMORANDUM FOR TALENT CONTROL OFFICER, CIA

SUBJECT: Lens Distortion Characteristics

REFERENCE: TCS 8203/68



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We concur with the release of the attached data  for the purpose of manufacturing aspheric correction plates with the stipulation that the lens and top plate numbers be changed to a 4 digit number and with the understanding that appropriate measures will be taken to avoid calling any unusual attention to this transaction.

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HANDLE VIA

TALENT-KEYHOLE
CONTROL SYSTEM

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DOD DIRECTIVE 5200.10 DOES NOT APPLY

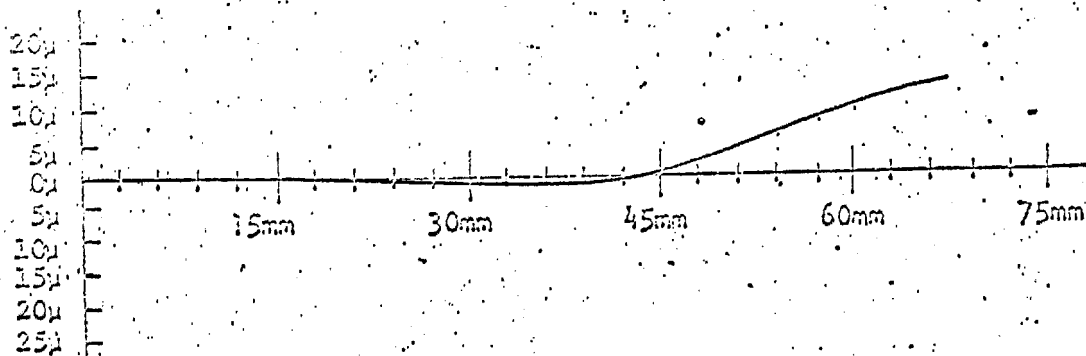
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RADIAL DISTORTION CORRECTION CURVE



RADIAL DISTORTION CORRECTION VALUES

Radial Distance in mm.	0	6	15	24	33	42	51	60	69
Radial Corr. in μ	0.0	0.0	-0.3	-1.1	-1.6	-0.4	3.6	10.0	12.5

The values of radial distortion correction are shown in microns and indicate the correction of the photographic image to its distortion free position at the indicated radial distance. A positive value indicates a correction away from the plate center.